

Assuring Low In-Use Emissions in California

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In-Use Testing Programs -- LDVs --

- ➡ New vehicle compliance-Title 13 (15 models/year)
- ➡ In-use compliance (Recall)
 - ➡ Recall testing (36 models/year)
 - ➡ Manufacturer testing (CAP 2000)
 - ➡ Early opt-in--11 manufacturers (7 partial)
- ➡ OBD compliance (51 models/year)



In-Use Testing Programs

-- LDVs (con't.) --

- ⇒ Emission factors for inventory (~ 300 vehicles/year)
- ⇒ I/M evaluation (2400 roadside pull-overs/year)
- ⇒ Emission Warranty Reporting
 - ⇒ 99 recalls -- 1.8 million vehicles since 1991
- ⇒ Control device evaluation (20-40 tests/year)

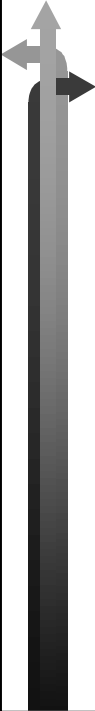


In-Use Testing Programs

HDT

- ⇒ **ARB's Diesel Test Facility**
 - ⇒ 45 vehicle/engine evaluations/year
- ⇒ **Emission Factors**
- ⇒ **Device Evaluation**
 - ⇒ Engelhard DPX
 - ⇒ Ceryx (lean burn & quad cat)
 - ⇒ Johnson Matthey CRT
 - ⇒ SCR technologies (future)
- ⇒ **PM Trap Demonstrations**
 - ⇒ Supports ARB's trap retrofit program





Needs Not Being Met

- ⇒ Not enough HD truck testing
 - ⇒ Emission factors
 - ⇒ Recall
- ⇒ No testing of off-road engines (Lawn and garden, jet skis, graders, tractors etc.)
 - ⇒ Emission factors
 - ⇒ Recall